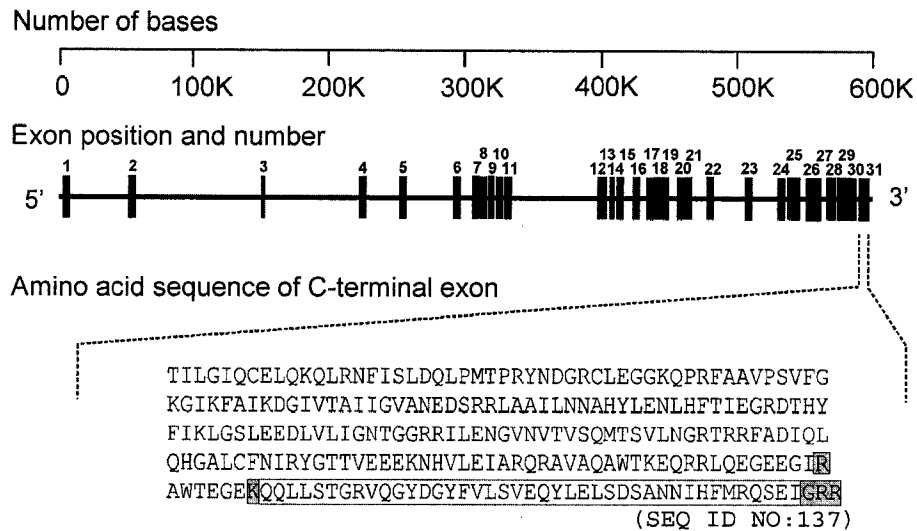


FIGURE 6B



Mammalian TCAP Sequences

Accession Numbers

human TCAP 1	QQLSTGRVQGYDGYFVLSVEQYLLFELSDSANNIHFMROSEI-NH2	nm_014253 (SEQ. ID. NO. 69)
human TCAP 2	QQLSTGRVQGYEGYYVLPVEQYPELADSSNIQFLRONEM-NH2	xm_047995 (SEQ. ID. NO. 78)
human TCAP 3	QLLSAGKVQGYDGYVLSVEQYPELADSANNIQFLROSEI-NH2	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	QQVLSTGRVQGYDGYFFVISVEQYPELSDSANNIHFMROSEM-NH2	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	QQLGTGRVQGYDGYFVLSVEQYLLFELSDSANNIHFMROSEI-NH2	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	QQLSTGRVQGYEGYYVLPVEQYPELADSSNIQFLRONEM-NH2	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	QLLSAGKVQGYDGYVLSVEQYPELADSANNIQFLROSEI-NH2	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	QQVNTGRVQGYDGYFFVTSVEQYPELSDSANNIHFMROSEM-NH2	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	QQLSTGRVQGYEGYYVLPVEQYPELADSSNIQFLRONEM-NH2	nm_020088 (SEQ. ID. NO. 78)

Avian TCAP Sequences

chicken TCAP 1	QQLNTGRVQGYDGYFVLSVEQYLLFELSDSANNIHFMROSEI-NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	QQLNTGRVQGYEGYYVLPVEQYPELADSSNIQFLRONEM-NH2	aj279031 (SEQ. ID. NO. 136)

Piscine TCAP Sequences

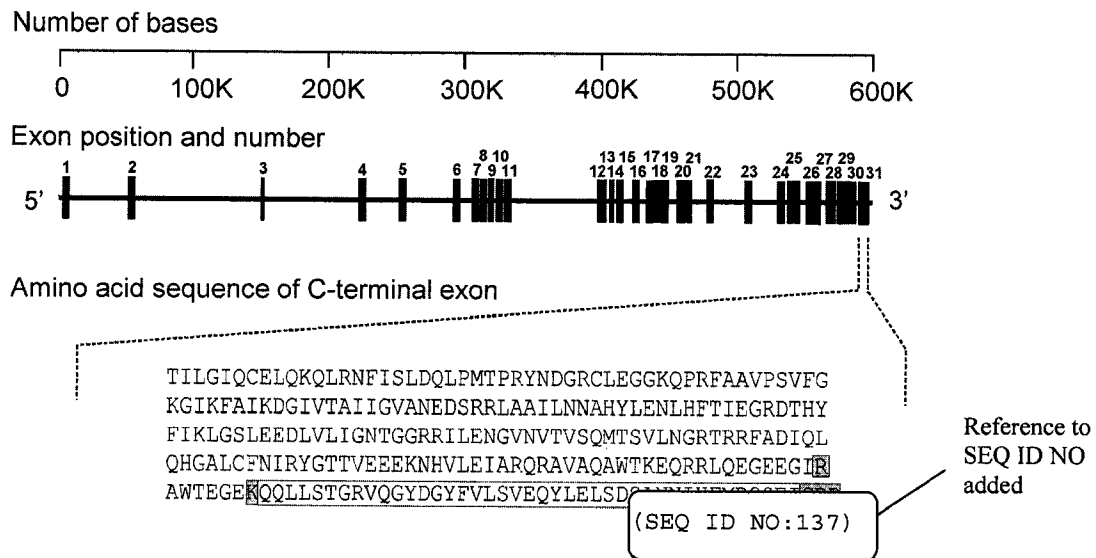
Rainbow trout TCAP 3	QLLSGRKVLGYDGYVLSIEQYPELADSANNIQFLROSEI-NH2	not entered Yet (SEQ. ID. NO. 13)
zebrafish TCAP 3	QLLSGKVLGYDGYVLSVEQYPELADSANNVQFLROSEI-NH2	nm_130968 (SEQ. ID. NO. 21)
zebrafish TCAP 4	QLLSGGRVQGYEGFYIVSDQFFELTDNINNVHEWROTEM-NH2	ab026980 (SEQ. ID. NO. 30)
Insect Drosopholia	ELVQHGDVDGWNG1DIHSIKYPPQLADOPGNVAFQORDAK	(SEQ. ID. NO. 103)

FIGURE 7A

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Oz1	<i>M musculus</i>	QLLGTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLNTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	97	97
Odd (odd Oz1/ten-m1) / tenascin M	<i>H sapiens</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLNTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DKFZp564O0423.1 (fragment)	<i>H sapiens</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLSAGVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLSAGVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLSAGVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R trout</i>	QLLSGRVIGYDGYVLSVEQYLELSDSANNIHFMRQSEI	13	80	90
Ten-m3	<i>D rerio</i>	QLLSGVIGYDGYVLSVEQYLELSDSANNIHFMRQSEI	21	75	90
Neurestin alpha	<i>R norvegicus</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Teneurin-2	<i>G gallus</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	<i>H sapiens</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Hypothetical protein					
Odd Oz/ten-m2	<i>H sapiens</i>	QLLSTGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLSGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	QLLSGRVQGDGYFVLSVEQYLELSDSANNIHFMRQSEI	103	30	60

FIGURE 7B

FIGURE 6B



Mammalian TCAP Sequences

		Accession Numbers
human TCAP 1	QQLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMROSEI-NH2	nm_014253 (SEQ. ID. NO. 69)
human TCAP 2	QQLSTGRVQGYEGYVLPVEQYPELADSSNIQHLRONEM-NH2	xm_047995 (SEQ. ID. NO. 78)
human TCAP 3	QLLSAGKVQGYDGYVLSVEQYPELADSANNIQFLROSEI-NH2	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	QQLSTGRVQGYDGYFVLSVEQYPELSDSANNIHFMROSEM-NH2	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	QQLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMROSEI-NH2	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	QQLSTGRVQGYEGYVLPVEQYPELADSSNIQFLRONEM-NH2	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	QLLSAGKVQGYDGYVLSVEQYPELADSANNIQFLROSEI-NH2	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	QQLSTGRVQGYDGYFVLSVEQYPELSDSANNIHFMROSEM-NH2	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	QQLSTGRVQGYEGYVLPVEQYPELADSSNIQFLRONEM-NH2	nm_020088 (SEQ. ID. NO. 78)

Typographical
error corrected
"96" replaced
with -46--

Avian TCAP Sequences

chicken TCAP 1	QQLNTGRVQGYDGYFVLSVEQYLELSDSANNIHFMROSEI-NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	QQLNTGRVQGYEGYVLPVEQYPELADSSNIQFLRONEM-NH2	aj279031 (SEQ. ID. NO. 136)

Piscine TCAP Sequences

Rainbow trout TCAP 3	QLLSGRKVLYGDGYVLSIEQYPELADSANNIQFLROSEI-NH2	not entered Yet (SEQ. ID. NO. 13)
zebrafish TCAP 3	QLSSGKVLGYDGYVLSVEQYPELADSANNVQFLROSEI-NH2	nm_130968 (SEQ. ID. NO. 21)
zebrafish TCAP 4	QLSSGKVLGYDGYVLSVEQYPELADSANNVQFLROSEI-NH2	ab026980 (SEQ. ID. NO. 30)
Insect Drosopholia	ELVQHGDVDGWNGLDIHSIHKYPQLADOPGNVAFQORDAK	(SEQ. ID. NO. 103)

FIGURE 7A

Appl. No. 10/510,959

Amdt. Dated May 7, 2009

Reply to Office Action of November 7, 2008

Annotated Sheet Showing Changes

Column Added



Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Ozd1	<i>M musculus</i>	QLLGTRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLNTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	97	97
Oddz (odd Oz1/ten-m1) / tenascin M	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLNTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DKFZp564O0423.1 (fragment)	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLSAGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLSAGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLSAGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R trout</i>	QLLSGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	13	80	90
Ten-m3	<i>D rerio</i>	QLLSGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	21	75	90
Neurestin alpha	<i>R norvegicus</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Teneurin-2	<i>G gallus</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	<i>H sapiens</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Hypothetical protein	<i>H sapiens</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2	<i>H sapiens</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLSGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	LLQGGVDTGGLGSSHTPLDDGNAFQD	103	30	60

FIGURE 7B